



COPY

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jeng et al. )  
App. No. : 09/178,306 )  
Filed : October 23, 1998 )  
For : BARRIER IN GATE STACK FOR )  
IMPROVED GATE DIELECTRIC )  
INTEGRITY )  
Examiner : Unknown )

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ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, Customer No. 20,995, and Michael L. Lynch, Reg. No. 30,871 and Lia M.

Appl. No. : 09/178,306  
Filed : October 23, 1998

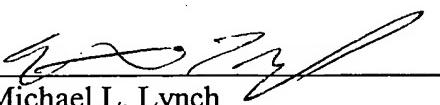
# COPY

Pappas, Reg. No. 34,095, Micron Technology, Inc., 8000 S. Federal Way, Boise, Idaho 83707-0006, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

MICRON TECHNOLOGY, INC.

Dated: Oct 19 1998

By:   
Michael L. Lynch

Title: Chief Patent Counsel

Address: 8000 S. Federal Way  
Boise, Idaho 83707

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Application No.: 09/178,306  
Filing Date: October 23, 1998

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**Do Not Record**

Page 1  
PATENT

Client Code: MICRON.066A  
Page 1

**COPY**

ASSIGNMENT

WHEREAS, We, Nanseng Jeng, a Taiwan, R.O.C. citizen, residing at 10220 SSE 15th Street, Vancouver, Washington 98664, and Aftab Ahmad, a United States citizen, residing at 1420 Meredith Heights #101, Colorado Springs, Colorado 80919, have invented certain new and useful improvements in a BARRIER IN GATE STACK FOR IMPROVED GATE DIELECTRIC INTEGRITY, for which I have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, MICRON TECHNOLOGY, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 8000 S. Federal Way, P.O. Box 6, Boise, Idaho 83707, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16<sup>th</sup> day of February 1999

N. Jeng  
Nanseng Jeng

STATE OF WASHINGTON  
ss.  
COUNTY OF CLARK

On February 16, 1999 before me, SHANNON FRY, personally appeared Nanseng Jeng personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Shannon M. Fry  
Notary Signature

**COPY**  
**Do Not Record**

Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24 day of November 1998

Aftab Ahmad

STATE OF Colorado || ss.  
COUNTY OF El Paso ||

**COPY**

On November 24 1998 before me, Aftab Ahmad, personally appeared Aftab Ahmad personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Mary C Alvarez  
Notary Signature

My Commission Expires: 04/24/2001

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2825 /AA  
PATENT

Case Docket No. MICRON.066DV1C1  
Date: April 1, 2004

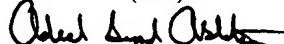
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Jeng et al.  
Appl. No. : 10/339,731  
Filed : January 8, 2003  
For : BARRIER IN GATE STACK  
FOR IMPROVED GATE  
DIELECTRIC INTEGRITY  
Examiner : Malsawma  
Group Art Unit : 2825

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

April 1, 2004

(Date)

  
Adeel S. Akhtar, Reg. No. 41,394

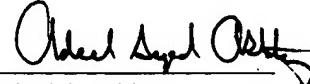
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- A Response to Office Action in 2 pages.
- A Terminal Disclaimer Under 37 C.F.R. § 1.321 in 2 pages.
- Copy of Power of Attorney and Assignment in 4 pages.
- A check in the amount of \$110 to cover the fee is enclosed.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- Return prepaid postcard.

  
Adeel S. Akhtar

Registration No. 41,394  
Attorney of Record  
Customer No. 20,995  
(415) 954-4114

## ASSIGNMENT JOINT

THIS ASSIGNMENT, by Xiang YU, Li SHEN, Xiao ZENG, Ying HAN, Kun LU, and Hui CEN (hereinafter referred to as the assignors), residing at 1392 Falconcrest Road, Germantown, Maryland 20874, 18523 Crommoun Road, Boyds, Maryland 20841, 1548 Beverly Court, Frederick, Maryland 21701, 13917 Chatterly Place, Germantown, Maryland 20874, 23 Earthstar Place, Gaithersburg, Maryland 20878 and 5142 Masonic Avenue, Oakland, California 94618, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in METHODS OF GENERATING GENE-SPECIFIC PROBES FOR NUCLEIC ACID ARRAY DETECTION, set forth in an application for Letters Patent of the United States, bearing Serial No. 10/700,304 and filed on October 31, 2003; and;

WHEREAS, SuperArray Bioscience Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 7320 Executive Way, Suite 101, Frederick, Maryland 20704 is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained thereon and thereon;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and theron, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

Date

4/1/04

Xiang YU

Date

4/2/04

Li SHEN

Date

4/2/04

Xiao ZENG

Date

4/2/04

Ying HAN

Date

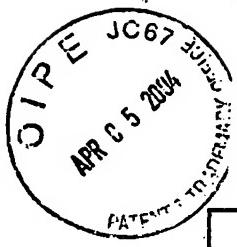
4/2/04

Kun LU

Date

4/2/04

Hui CEN



PTO/SB/81 (06-03)

Approved for use through 11/30/2008, OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/700,304
Filing Date	October 31, 2003
First Named Inventor	Xiang YU
Title	METHODS OF GENERATING GENE-SPECIFIC PROBES FOR NUCLEIC ACID ARRAY DETECTION
Art Unit	1632
Examiner Name	Not Yet Assigned
Attorney Docket No.	494442000400

I hereby appoint:

Practitioners at Customer Number 25226

OR

Practitioner(s) named below:

Name	Registration Number	Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or individual Name	
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Address			
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City	State	Zip	
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Country	Telephone	Fax	
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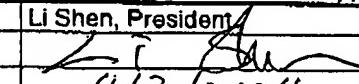
I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/86).

**SIGNATURE of Applicant or Assignee of Record**

Name	Li Shen, President
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Signature	
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Date	4/2/2004	Telephone	301-682-9200
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NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

<input checked="" type="checkbox"/>
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\*Total of 1 forms are submitted.